

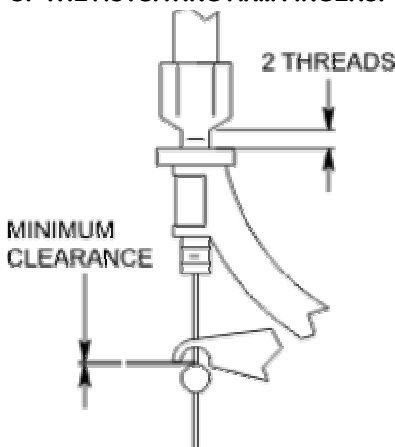
# Technical Service Instructions

## BR-199 Feather Brake Calipers

In order to realize best possible performance and safety, we recommend Feather Brakes be installed by a professional bicycle mechanic.

### Installation:

- 1) **FRONT AND REAR CALIPERS: MOUNT FEATHER BRAKE CALIPERS IN CORRECT LOCATION, BRAKE CALIPER DESIGNED FOR THE REAR SHOULD NOT BE INSTALLED ON THE FORK.**
- 2) **PIVOT NUT: SELECT THE PIVOT NUT THAT CORRESPONDS TO THE DEPTH OF THE MOUNT.**
- 3) **SPRING BALANCE ADJUSTER: START BY POSITIONING ADJUSTER ABOUT 1 THREAD BELOW FLUSH. (Right side of caliper)**
- 4) **CENTERING THE CALIPERS: CHECK CENTER OF CALIPER ARCH, ROTATE TO CENTER AND SNUG PIVOT NUT. RECHECK CALIPER CENTER BY PINCHING ARMS SO PADS FIRMLY TOUCH RIM. TIGHTEN PIVOT NUT. FINE TUNE CALIPERS BY USING SPRING BALANCE ADJUSTER.**
- 5) **PAD ADJUSTMENT: LOOSEN PAD BOLTS; PINCH ARMS SO PADS ARE IN FIRM CONTACT WITH RIM, TIGHTEN PAD BOLTS AND RECHECK PAD ALIGNMENT. READJUST IF NEEDED.**
- 6) **CABLE INSTALLATION: START BY TURNING THE CABLE ADJUSTING BOLT SO IT SHOWS ABOUT 2 FULL THREADS WHEN LOCK NUT IS SNUG AGAINST CALIPER ARM, SLIDE NEW CABLE THROUGH ADJUSTING BOLT AND SLIDE ON CABLE ANCHOR, TIGHTEN CABLE ANCHOR JUST ENOUGH SO IT DOESN'T SLIDE OFF CABLE.**
- 7) **BRAKE ADJUSTMENT: PINCH CALIPER ARMS SO PADS FIRMLY CONTACT RIM, POSITION CABLE ANCHOR SO AS TO BARELY PASS UNDER ACTUATING ARM FINGERS (See Illustration) IF SET TO CLOSE, YOUR BRAKING WILL BE NEGATIVELY AFFECTED BY POSITIONING THE ACTUATING ARM IN THE WRONG PORTION OF THE CAM PROGRESSION, ALSO YOU WILL NOT BE ABLE TO REMOVE WHEELS WITH OUT FORCING THE ANCHOR OUT OF THE ACTUATING ARM FINGERS.**



- 8) **TRUING PADS: USING A PIECE OF 120 OR 150 GRIT SAND PAPER, SLIDE A SMALL PIECE BETWEEN PAD AND RIM FACE "GRIT FACING OUT" YOU MAY NEED ASSISTANCE WITH THIS ADJUSTMENT, LIGHTLY APPLY PRESSURE TO BRAKES WHILE ROTATING RIM BACK AND FORTH A FEW TIMES. NOW THE PADS WILL RUN TRUE TO THE RIM, GIVING A POSITIVE FEEL THE FIRST TIME OUT. REPEAT ON ALL 4 PADS.**
- 9) **SAFETY CHECK: RECHECK ALL ADJUSTMENTS AND FASTNERS BEFORE YOU GO OUT RIDING.**

### \*WARNING\*

- Improper installation and use of your bicycle brake system could result in loss of control, accident and or serious injury. Check your bicycle owner manual on brake lever set up and practice good bike control and braking technique.